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## Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

## 5 <u>Listing of Claims:</u>

- 1. (Previously Presented) A light-emitting device with compound substrate comprising:
  - a compound substrate comprising a high thermal conductive layer and a substrate disposed around the high thermal conductive layer;
- a transparent adhesive layer formed on the compound substrate; and a light-emitting stack layer formed on the transparent adhesive layer.
  - 2. (Cancelled)
- 15 3. (Previously Presented) The light-emitting device of claim I wherein the transparent adhesive layer is a conductive transparent adhesive layer.
  - 4. (Previously Presented) The light-emitting device of claim 1 wherein the transparent adhesive layer is an insulating transparent adhesive layer.
  - 5-7. (Cancelled)

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- 8. (Previously Presented) The light-emitting device of claim 1 further comprising a first reaction layer between the compound substrate and the transparent adhesive layer.
  - 9. (Previously Presented) The light-emitting device of claim 1 further

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comprising a second reaction layer between the transparent adhesive layer and the light-emitting stack layer.

- 10. (Original) The light-emitting device of claim 8 further comprising a metal reflecting layer between the compound substrate and the first reaction layer.
- 11. (Original) The light-emitting device of claim 9 further comprising a metal reflecting layer between the second reaction layer and the light-emitting stack layer.
  - 12. (Original) The light-emitting device of claim 11 further comprising a transparent conductive layer between the metal reflecting layer and the light-emitting stack layer.

13-14. (Cancelled)

- 15. (Original) The light-emitting device of claim I further comprising a connection layer between the high thermal conductive layer and the substrate.
- 16. (Previously Presented) The light-emitting device of claim I wherein the high thermal conductive layer comprises at least one material selected from a material group consisting of Cu, Al, Au, Ag, W, and alloys of these metals.
- 17. (Previously Presented) The light-emitting device of claim 15 wherein the connection layer comprises at least one material selected from a

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material group consisting of indium tin oxide, GeAu, BeAu, Au, SiNx, SiO<sub>2</sub>, Cu, Ti, and Pd.

18. (Cancelled)

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19. (Previously Presented) The light-emitting device of claim I wherein the transparent adhesive layer comprises at least one material selected from a material group consisting of polyimide (PI), benzocyclobutane (BCB), and perfluorocyclobutene (PFCB).

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20. (Previously Presented) The light-emitting device of claim 3 wherein the conductive transparent adhesive layer comprises at least one material selected from a material group consisting of intrinsically conducting polymer and polymer doped with a conductive material.

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21. (Previously Presented) The light-emitting device of claim 20 wherein the conductive material comprises at least one material selected from a material group consisting of indium tin oxide, cadmium tin oxide, antimony tin oxide, zinc oxide, zinc tin oxide, Au, and Ni/Au.

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- 22-24. (Cancelled)
- 25. (Previously Presented) The light-emitting device of claim 8 wherein the first reaction layer comprises at least one material selected from a material group consisting of SiNx, Ti, and Cr.
- 26. (Previously Presented) The light-emitting device of claim 9 wherein the second reaction layer comprises at least one material selected from a

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material group consisting of SiNx, Ti, and Cr.

- 27. (Previously Presented) A light-emitting device with compound substrate comprising:
- a compound substrate comprising a high thermal conductive layer and a substrate disposed around the high thermal conductive layer; an opaque adhesive layer formed on the compound substrate; and a light-emitting stack layer formed on the opaque adhesive layer.
- 10 28. (Previously Presented) The light-emitting device of claim 27 wherein the opaque adhesive layer is a conductive opaque adhesive layer.
  - 29. (Previously Presented) The light-emitting device of claim 27 wherein the opaque adhesive layer is an insulating opaque adhesive layer.
  - 30. (Previously Presented) The light-emitting device of claim 27 further comprising a first reaction layer between the compound substrate and the opaque adhesive layer.
- 20 31. (Previously Presented) The light-emitting device of claim 30 further comprising a second reaction layer between the opaque adhesive layer and the light-emitting stack layer.
- 32. (Previously Presented) The light-emitting device of claim 31 further
  comprising a metal reflecting layer between the second reaction layer
  and the light-emitting stack layer.
  - 33. (Previously Presented) The light-emitting device of claim 32 further

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comprising a transparent conductive layer between the metal reflecting layer and the light-emitting stack layer.

- 34. (Previously Presented) The light-emitting device of claim 27 further comprising a connection layer between the high thermal conductive layer and the substrate.
- 35. (Previously Presented) The light-emitting device of claim 27 wherein the high thermal conductive layer comprises at least one material selected from a material group consisting of Cu, Al, Au, Ag, W, and alloys of these metals.
- 36. (Previously Presented) The light-emitting device of claim 34 wherein the connection layer comprises at least one material selected from a material group consisting of indium tin oxide, GeAu, BeAu, Au, SiNx, SiO<sub>2</sub>, Cu, Ti, and Pd.
- 37. (Previously Presented) The light-emitting device of claim 30 wherein the first reaction layer comprises at least one material selected from a material group consisting of SiNx, Ti, and Cr.
  - 38. (Previously Presented) The light-emitting device of claim 31 wherein the second reaction layer comprises at least one material selected from a material group consisting of SiNx, Ti, and Cr.
  - 39. (Currently Amended) A light-emitting device with compound substrate comprising:
    - a compound substrate comprising a high thermal conductive layer and

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a substrate disposed around the high thermal conductive layer; a metal adhesive layer formed on the compound substrate; and a light-emitting stack layer formed on the metal adhesive layer[[.]]; wherein the metal layer is formed to enhance adhesion between the compound substrate and the light-emitting stack layer.

- 40. (Currently amended) The light-emitting device of claim 39 further comprising a metal reflecting layer between the metal adhesive-layer and the light-emitting stack layer.
- 41. (Previously Presented) The light-emitting device of claim 40 further comprising a transparent conductive layer between the metal reflecting layer and the light-emitting stack layer.
- 15 42. (Previously Presented) The light-emitting device of claim 39 further comprising a connection layer between the high thermal conductive layer and the substrate.
- 43. (Previously Presented) The light-emitting device of claim 39 wherein the high thermal conductive layer comprises at least one material selected from a material group consisting of Cu, Al, Au, Ag, W, and alloys of these metals.
- 44. (Previously Presented) The light-emitting device of claim 42 wherein the connection layer comprises at least one material selected from a material group consisting of indium tin oxide, GeAu, BeAu, Au, SiNx, SiO<sub>2</sub>, Cu, Ti, and Pd.

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45. (Currently Amended) The light-emitting device of claim 39 wherein the metal adhesive—layer comprises at least one material selected from a material group consisting of In, Sn, Al, [[au]]Au, Pt, Zn, Ge, Ag, Ti, Pb, Pd, Cu, and alloys of these metals.

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46. (Currently Amended) The light-emitting device of claim 39 wherein the metal adhesive-layer is a metal reflecting adhesive-layer.